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PTO/SB/05 (2/98)
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No.	BEA-246
First Inventor or Application Identifier	H. Gallops, Jr.
Title	ARCHERY BOW WITH BOW SPEED SPECIFIC SIGHT PIN BLOCK
Express Mail Label No.	EL549544942US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

1. [X] * Fee Transmittal Form *(e.g., PTO/SB/17)* *(Submit an original and a duplicate for fee processing)*
2. [X] Specification [Total Pages 12] *(preferred arrangement set forth below)*
   - Descriptive title of the Invention
   - Cross References to Related Applications
   - Statement Regarding Fed sponsored R & D
   - Reference to Microfiche Appendix
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawings *(if filed)*
   - Detailed Description
   - Claim(s)
   - Abstract of the Disclosure
3. [X] Drawing(s) *(35 U.S.C. 113)* [Total Sheets 5]
4. Oath or Declaration [Total Pages 2]
   a. [X] Newly executed (original or copy)
   b. [ ] Copy from a prior application (37 C.F.R. § 1.63(d)) *(for continuation/divisional with Box 17 completed)* ***[Note Box 5 below]***
      i. [ ] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5. [ ] Incorporation By Reference *(useable if Box 4b is checked)* The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. [ ] Microfiche Computer Program *(Appendix)*
7. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
   a. [ ] Computer Readable Copy
   b. [ ] Paper Copy (identical to computer copy)
   c. [ ] Statement verifying identity of above copies

jc862 U.S. PTO 09/64888 08/25/00

ACCOMPANYING APPLICATION PARTS

8. [X] Assignment Papers (cover sheet & document(s))
9. [ ] 37 C.F.R.§3.73(b) Statement *(when there is an assignee)* [X] Power of Attorney
10. [ ] English Translation Document *(if applicable)*
11. [ ] Information Disclosure Statement (IDS)/PTO-1449 [ ] Copies of IDS Citations
12. [ ] Preliminary Amendment
13. [X] Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
14. [ ] * Small Entity Statement(s) *(PTO/SB/09-12)* [ ] Statement filed in prior application, Status still proper and desired
15. [ ] Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. [ ] Other: .....

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17. **If a CONTINUING APPLICATION,** *check appropriate box, and supply the requisite information below and in a preliminary amendment:*

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____/_____

Prior application information: Examiner _____ *Group / Art Unit:* _____

18. CORRESPONDENCE ADDRESS

☐ *Customer Number or Bar Code Label* *(Insert Customer No. or Attach bar code label here)* *or* ☐ *Correspondence address below*

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	60 East 42nd Street, Suite 501				
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Country	USA	Telephone	212-986-7410	Fax	212-983-8421

Name (Print/Type)	Milton Wolson	Registration No. (Attorney/Agent)	22,620
Signature	Milton Wolson	Date	8/25/00

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FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.
These are the fees effective October 1, 1997.
Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT ($) 808

Complete If Known	
Application Number	
Filing Date	
First Named Inventor	H. GALLOPS, JR.
Examiner Name	
Group / Art Unit	
Attorney Docket No.	BEA-246

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 13-1140
Deposit Account Name: Malina & Wolson

☐ Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17
☐ Charge the Issue Fee Set in 37 C.F.R. § 1.18 at the Mailing of the Notice of Allowance

2. ☐ Payment Enclosed: Credit card payment
☐ Check ☐ Money Order ☒ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
101	790	201	395	Utility filing fee	690
106	330	206	165	Design filing fee	
107	540	207	270	Plant filing fee	
108	790	208	395	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) ($) 690

2. EXTRA CLAIM FEES

	Extra Claims		Fee from below	Fee Paid
Total Claims 12	-20** = 0	X		= 0
Independent Claims 4	- 3** = 1	X	78	= 78
Multiple Dependent				=

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	82	209	41	** Reissue independent claims over original patent
110	22	210	11	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) ($) 78

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	950	217	475	Extension for reply within third month	
118	1,510	218	755	Extension for reply within fourth month	
128	2,060	228	1,030	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,320	241	660	Petition to revive - unintentional	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) _____

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) ($) 40

SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name	MILTON WOLSON			Reg. Number	22,620
Signature	Milton Wolson	Date	8/25/00	Deposit Account User ID	

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UNITED STATES PATENT APPLICATION

of

Henry M. Gallops, Jr.
5419 N.W. 52 Terrace
Gainesville, Florida 32653

ARCHERY BOW WITH BOW SPEED SPECIFIC SIGHT PIN BLOCK

ARCHERY BOW WITH BOW SPEED SPECIFIC SIGHT PIN BLOCK

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention relates to the field of archery bowsights which are mounted on archery bows to assist the shooter in determining the range of a shoot and more specifically to a bow speed specific sight pin block in which the sight pins may be readily positioned to indicate their corresponding arrow flight range.

2. State of the Art

For aiming a bow, an experienced archer will typically nock an arrow in the same position on the bowstring and draw the bowstring until a particular portion of the archer's hand touches a particular portion of the archer's head. With the drawn arrow in this position, the remaining variable in control of the archer during the shot is the desired arrow flight range. For increased range, the bow is raised, and for decreased range the bow is lowered.

Vertically spaced pin sights, well known in the prior art, assist the archer in determining the extent to which the bow should be raised or lowered to achieve the desired range. The vertical location of each pin sight is set by the archer to aim for the desired range. For example, in a bow shooting 280 feet per second, the pin sights may be set by the archer to shoot 20, 30, 40, 50 and 60 yards, with the highest pin calibrated to shoot the shortest yardage, 20 yards, and the lowest pin calibrated to shoot the longest yardage, 60 yards. The archer will select the pin sight which is calibrated for the desired range and raise or lower the bow until the selected pin sight is at eye level.

Setting the vertical location of each individual pin sight for its corresponding arrow flight range is a time consuming effort. It may, for example, take an archer three dozen or so shots to determine the proper vertical location for each pin sight. Since it is not unusual for five or more pin sights to be utilized, an archer may spend several hours adjusting the pin sights. Should the bow speed be changed because of a heavier arrow being shot, or for other reasons, so that the pin settings no longer accurately indicate the arrow range, the archer will be required to repeat the time consuming pin setting process procedure for the new arrow range.

Certain prior art bowsights, such as disclosed in U.S. Pat. No 5,560,113 to Simo et al., include a pin block in which a number of vertically adjustable sight pins were located. Simo et al. is an example of a bow sight in which the archer was required to laboriously determine the vertical position of each individual pin sight for its corresponding arrow flight range. The Simo et al. patent is also an example of a bow sight which requires an independent bracket member mounted on the bow riser. At least one prior art bowsight, sold by the Fred Bear Company under the designation "Bear Field Model Premier", included an opening in the bow riser in which a bowsight was mounted. In contrast, to the vertically moveable sight pins disclosed in Simo et al., a patent to Howe, U.S. Pat. No. 2,332,080 disclosed a pin block having fixed openings therein for mounting the pin sights.

SUMMARY OF THE INVENTION

According to the present invention, the locations of openings for mounting pin sights corresponding to different arrow flight ranges for a given bow speed are determined and sight pins are mounted in the openings. In an embodiment of the present invention, the openings are located in a modular self contained sight pin block. Because the locations of the pin sight

openings are fixed with respect to each other, when a single sight pin in one of the openings is manually positioned to indicate its corresponding arrow flight range, each of the sight pins in the other openings will be in position to indicate their corresponding arrow flight range.

The bow speed specific sight pin block of the present invention may be simply and securely mounted in the sidewalls of an opening in the riser, although it is emphasized that the bow speed specific pin block of the present invention need not be mounted in an opening in the bow riser. The pin block may, for example, be mounted to the archery bow by a bracket, such as, but not limited to, the type sold by Impact Archery, under the designation "Impact 3-pin Fiber Optic Lite #6521-003", or the type sold by Game Warning Systems under the designation "4-Pin Fiber Optic, Black #6522-044". In the illustrated embodiment, the bowsight pin block frame includes internal allen screws which move wedge elements in the bowsight pin block frame into and out of engagement with sidewalls. To mount the bowsight pin block, the wedge elements are moved into engagement with the sidewalls. To remove the bowsight pin block from the riser, the wedge elements are moved out of engagement with the sidewalls.

It is an object of the present invention to provide an archery bow with bow speed specific pin sight openings so that when a single sight pin in one of said openings is manually positioned to indicate its corresponding arrow flight range, each of the pins in the other will be in position to indicate their corresponding arrow flight range.

It is a further object of the present invention to provide an archery bow having a bow speed specific sight pin block, including pin sight openings therein so that when a single sight pin in one of said openings is manually positioned to indicate its corresponding arrow flight range, each of the sight pins in the other openings will be in position to indicate their corresponding

arrow flight range.

It is a still further object of the present invention to provide a modular self contained bow speed specific sight pin block which may be conveniently packaged, identified and stored for use or sale according to bow speed.

It is an additional object of the present invention to provide a modular self contained bow speed specific sight pin block wherein the sight pins are readily positioned to indicate their corresponding arrow flight range and wherein the sight pin block may be conveniently packaged, identified and stored for use or sale according to bow speed.

It is also an object of the present invention to provide a bowsight pin block which may be simply and securely mounted in a riser opening without the need for a separate bracket connecting the bowsight to the riser.

Additional objects and advantages of the invention will become apparent to those skilled in the art upon reference to the detailed description taken in conjunction with the combined figures.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1A is a perspective view of an archery bow riser with which the bowsight pin block of the present invention may be used.

FIG. 1B is a perspective view of the archery bow riser shown in FIG. 1 and wherein the bowsight pin block of the present invention is mounted in the riser.

FIG. 2 is a perspective view of the archery bow including the bowsight pin block of the present invention.

FIG. 3 is a side elevation of the bowsight of the present invention in which the sight pins are mounted in the openings in the bowsight pin block;

FIG. 4 is a transverse section taken on the line 4-4 of FIG. 3 with the sight pins removed from the openings in the bowsight pin block;

FIG. 5 is a side elevation of the bowsight pin block of the present invention in which an upper wedge is in its extended position and the lower wedge is in its retracted position;

FIG. 6 is a side elevation of the bowsight shown in FIG. 5 wherein the bowsight pin block has been rotated ninety degrees counterclockwise;

FIG. 7 is an enlarged side elevation of the bowsight shown in FIG. 6 and wherein the upper wedge is in engagement with a sidewall of the riser opening and the lower wedge is out of engagement with the sidewall;

FIG. 7A is a transverse section taken on the line 7A-7A of FIG. 7 and showing an enlarged top plan view;

FIG. 7B is a transverse section taken on the line 7B-7B of FIG. 7 and showing an enlarged top plan view; and

FIG. 8 is a side elevation similar to FIG. 7 and wherein both the upper and lower wedges are in engagement with a sidewall of the riser opening.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

With reference to FIGS. 1A and 1B, there is shown a riser **2** including a hand grip portion **4**, a reinforcement bridge **6**, and a number of openings for the purpose of reducing the weight of riser **2**. The openings in the upper portion of riser **2** are identified by reference numerals **8, 10, 12** and **14**. The openings in the lower portion of riser **2** are identified by reference numerals **16** and **18**. Weight reducing opening **14**, having sidewalls **15**, includes a recess **22** around its periphery

for receiving the bow speed specific sight pin block **24**. The shape and number of the openings will vary with particular bows. Riser **2** further includes an arrow receiving portion **20**.

With reference to the archery bow **3** shown in FIG. 2, which is of the type sold by Bear Archery L.L.C. under the "T-MASTER" trademark, riser **2** is connected to upper bow limb **5** and lower bow limb **6**. A wheel **7** is located within the limb tip of upper bow limb **5** and a cam **9** is located within the limb tip of lower bow limb **6**. An anchor cable **11** and feed out cables **13** are provided in known manner. A cable guard **17** is connected to riser **2**.

With reference to FIG. 3 it is seen that bowsight pin block **24** comprises a general rectangular frame **26** having a rectangular opening **28** therein. Sight pins **30**, **32**, **34**, **36** and **38** are located in openings **30'**, **32'**, **34'**, **36'** and **38'** of frame **26**. For illustration purposes, the following discussion refers to a bowsight for use in a bow having a speed of 280 feet per second, and, in particular, for determining the relative locations of the openings **30'**, **32' 34'**, **36'** and **38'** so that, when a single sight pin in one of the openings, such as sight pin **30**, is manually positioned to indicate its corresponding arrow flight range, each of the other sight pins in the other openings, i.e., openings **32'**, **34'**, **36'** and **38'** will be in position to indicate their corresponding arrow flight range. Thus, it will be understood that only one sight pin need be manually positioned to position all the other sight pins.

In the present example, the opening **30'** will correspond to an arrow flight range of twenty yards; the opening **32'** will correspond to an arrow flight range of thirty yards; the opening **34'** will correspond to an arrow flight range of forty yards; the opening **36'** will correspond to an arrow flight range of fifty yards and the opening **38'** will correspond to an arrow flight range of sixty yards.

To determine the locations of the openings, it is assumed that the archer has ascertained that the bow speed is 280 feet per second by, for example, shooting the arrow through a chronograph. The archer then shoots the bow seeking a predetermined arrow flight range, for example, 20 yards. The pin sight location at which the 20 yard shot is achieved is determined and a sight pin opening is provided at this location (i.e. in the illustrated example, opening **30'** is provided for mounting sight pin **30)**. Next, the bow is shot to determine the pin sight location at which the 30 yard shot is achieved and at this location, opening sight pin **32'** is provided for mounting sight pin **32**. As noted in the following table, the fixed distance between opening **30'** and opening **32'** is .089 inches. The procedure is continued until the locations are fixed for a 40 yard arrow flight, opening **34'**; a 50 yard arrow flight, opening **36'**; and a 60 yard arrow flight opening **38'**.

Opening number	Yardage	Distance from 20 yard pin (inches)	Pin gap (pin to pin) (inches)
30'	20	—	0
32'	30	.089	.089
34'	40	.212	.123
36'	50	.347	.135
38'	60	.495	.148

The effect of having sight pins in each of these fxed locations relative to the sight pin in opening **30'**, is that whenever the bow speed specific sight pin block **24** is inserted in an archery bow having a bow speed of 280 feet per second, only a single sight pin in one of the openings need be manually positioned to indicate its corresponding arrow flight range. The other sight pins

will be in position to indicate their corresponding arrow flight ranges. For example, when the archer raises or lowers pin block **24** within opening **14** of hand grip portion **4**, so that sight pin **34** is in position to indicate an arrow flight range of 40 yards, all of the other sight pins will be in position to indicate their corresponding arrow flight ranges.

It is noted that the same pin block can be utilized for two different arrow velocities by, for example, placing the sight pins in openings **30'** through **36'** for a bow shooting 280 feet per second or openings **32'** through **38'** for a bow shooting 260 feet per second. Thus, the extra hardware needed for individual pin elevation adjustments are eliminated making the sight more compact. If the archer wishes to fine tune the distances between pins, the pins can be rotated or bent to bring them into the desired positions for the particular set up.

For securing pin block **24**, within opening **14** a raised ridge **29** on both sides of frame **26** of bow speed specific sight pin block **24** is adapted to sit within recess **22** of opening **14**. It is again emphasized that pin block **24** may be mounted to the bow by various mounting means and need not be mounted within a recess in the riser. In the illustrated embodiment, Allen screws **37**and **40** extend into the side of fame **26** and are screwable into contact with wedges **42** and **44**, also located in frame **26** for moving wedges **42** and **44** into locking engagement with one of the sidewalls **15** of opening **14**.

When the sight pins have been aligned to indicate their corresponding arrow flight ranges, to secure pin block **24** within opening **14**, pin block **24** is perpendicularly inserted, in opening **14** of hand grip portion **4** as shown in FIG. 2. In this position, raised rib **29** on frame **26** is seated within recess **22** of opening **14**. To insert pin block **24** in opening **14** it is necessary that wedge **42** and wedge **44** be in its retracted position within frame **26**. Any extension of wedge **42** or wedge

44 outside of frame **25** would prevent the close fit of pin block **24** in opening **14**.

For illustration purposes, in Figures 5, 6, 7 and 7B, lower wedge **44** is shown as being in its retracted position within frame **26** while in Figures 5, 6, 7 and 7A upper wedge **42** is shown in its extended position outside of frame **26**. In order for pin block **24** to be inserted in opening **14**, it is necessary that both wedges **42** and **44** be in the retracted position of wedge **44**, i.e., within frame **26**. When wedges **42** and **44** are in their retracted position within frame **26**, allen screws **37**and **40** are in the position of allen screw **40** shown in Figures 5, 6, 7 and 7B.

After pin block **24** is inserted in its desired height within opening **14**, it is locked therein. To do so, allen screws **37** and **40** are screwed into contact with the taper portion of wedges **42** and **44** and move wedges **42** and **44** into the position shown by wedges **42** and **44** in FIG. 8. In this position wedges **42** and **44** press against a sidewall **15** of opening **14** to lock the pin block **24** in opening **14**.

It will thus be appreciated that there is disclosed herein a modular self contained bow speed specific sight pin block, which in the illustrated embodiment requires no external bracketing, and wherein the sight pins are readily positioned to indicate their corresponding arrow flight range and wherein the sight pin block may be conveniently packaged, identified and stored for use or sale according to bow speed.

While particular embodiments of the invention have been described, it is not intended that the invention be limited thereto, as it is intended that the invention be as broad in scope as the art will allow and that the specification be read likewise.

I claim:

1. An archery bow including bow speed specific sight pin openings for sight pins located therein relative to each other at fixed distances for a given bow speed, so that when a single sight pin is manually positioned to indicate its corresponding arrow flight range, each of the other sight pins in the other openings will be in position to indicate their corresponding arrow flight ranges.

2. An archery bow as recited in claim 1 including a riser and wherein the sight pin openings are located on a riser.

3. An archery bow including a bow speed specific sight pin block having sight pin openings for sight pins located therein relative to each other at fixed distances for a given bow speed, so that when a single sight pin is manually positioned to indicate its corresponding arrow flight range, each of the other sight pins in the other openings will be in position to indicate their corresponding arrow flight ranges.

4. An archery bow as recited in claim 3 including a riser and wherein the sight pin block is located on a riser.

5. An archery bow as recited in claim 4 including an opening in the riser and wherein the sight pin block is located in the riser opening.

6. An archery bow as recited in claim 4 wherein the pin block comprises a generally rectangular frame having a generally rectangular opening.

7. A bow speed specific sight pin block having sight pin openings for sight pins located therein relative to each other at fixed distances for a given bow speed, so that when a single sight pin is manually positioned to indicate its corresponding arrow flight range, each of the other sight pins will be in position to indicate their corresponding arrow flight ranges.

8. An archery bow including a sight pin block mounted therein, said archery bow including a riser having an opening therein, said bowsight pin block being perpendicularly mounted in sidewalls of said opening and said bowsight pin block having at least one moveable wedge which engages one such sidewall for mounting the bowsight pin block in the opening of said riser.

9. An archery bow including a sight pin block as set forth in claim 8 and wherein said bowsight pin block has two moveable wedges which engage one such sidewall for mounting the bowsight pin block in the opening of said riser.

10. An archery bow including a sight pin block as set forth in claim 8 and wherein said bowsight pin block has at least one opening which includes an allen screw therein, and wherein said allen screw moves the wedge to engage a sidewall for mounting the bowsight pin block in the opening of said riser.

11. An archery bow including a bowsight pin block as set forth in claim 9 and wherein said bowsight pin block has two openings therein, each of which includes an allen screw therein, and wherein said allen screws move the wedges to engage one such sidewall for mounting the bowsight pin block in the opening of said riser.

12. An archery bow including a sight pin block as set forth in claim 8 wherein such opening has a recess around the periphery thereof and wherein said bowsight pin block has a raised rib which sits within said recess.

ABSTRACT

An archery bow including a bow speed specific sight pin block having sight pin openings for sight pins located therein relative to each other at fixed distances for a given bow speed, so that when a single sight pin is manually positioned to indicate its corresponding arrow flight range, each of the other sight pins in the other openings will be in position to indicate their corresponding arrow flight range. The sight pin block may be mounted in a riser opening and allen screws may be included in the bowsight pin block frame for moving wedges located in the bowsight pin block frame into engagement with a sidewall of the riser opening for mounting the bowsight pin block in the riser opening.

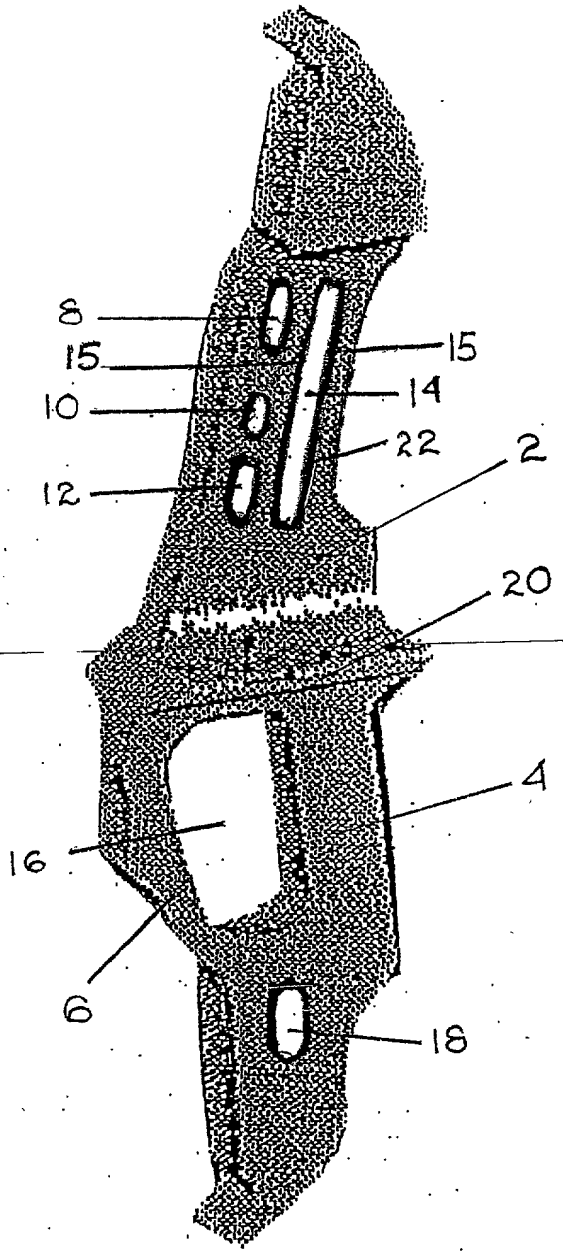

FIG. 1A

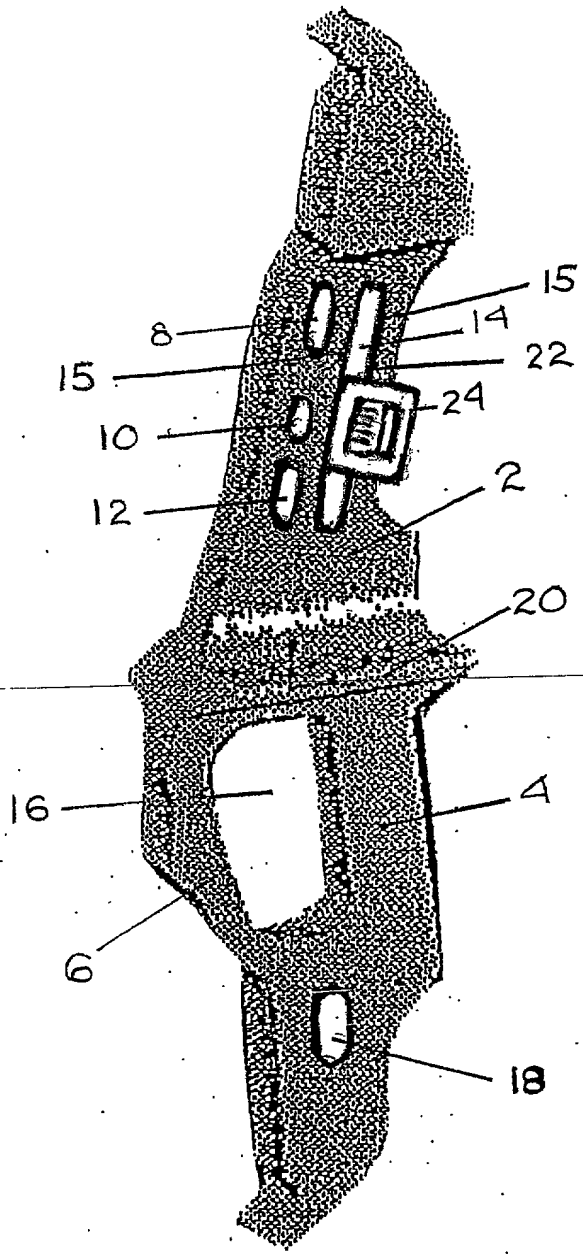

FIG. 1B

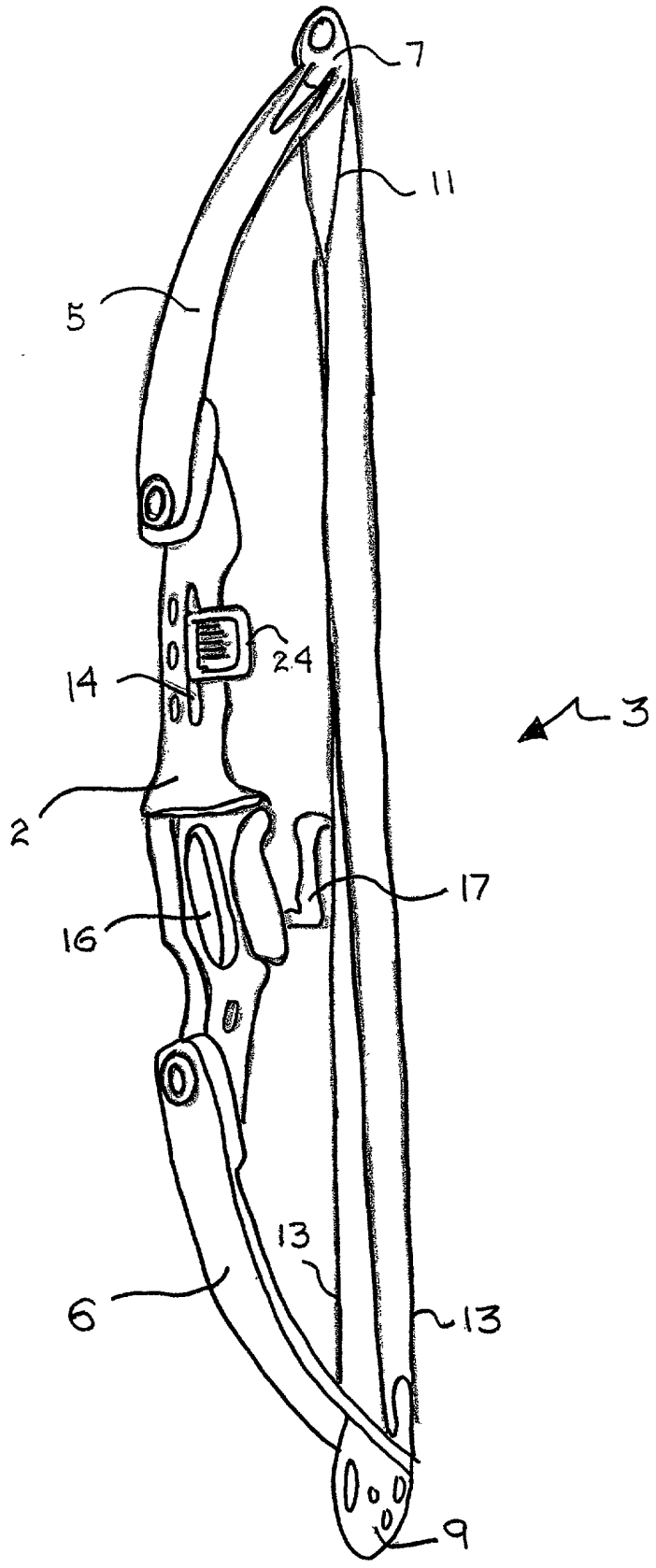

FIG. 2

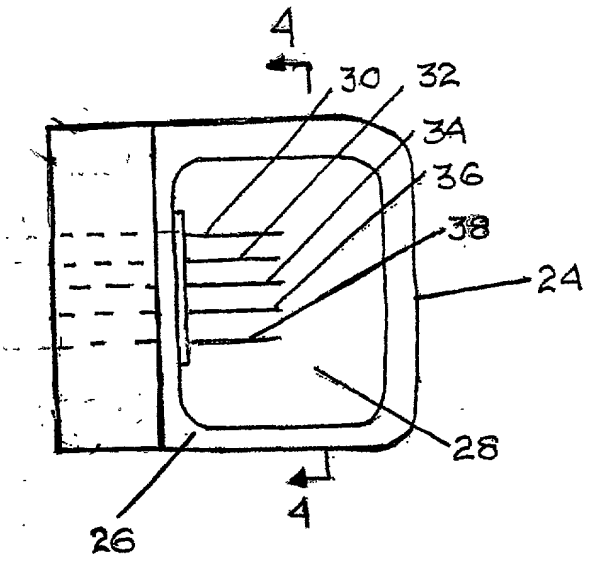

FIG. 3

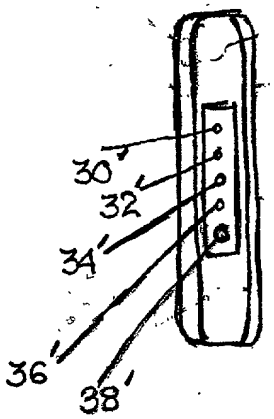

FIG. 4

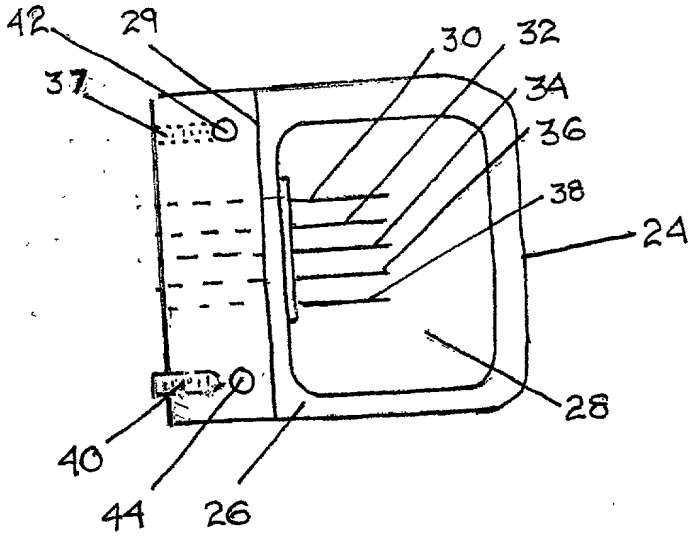

FIG. 5

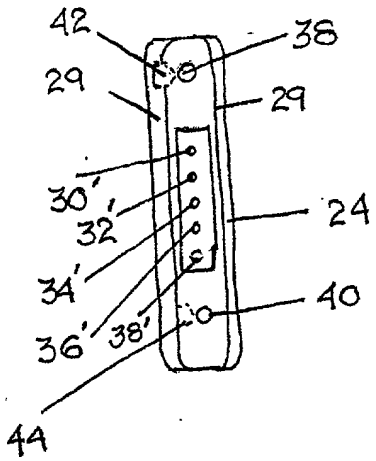

FIG. 6

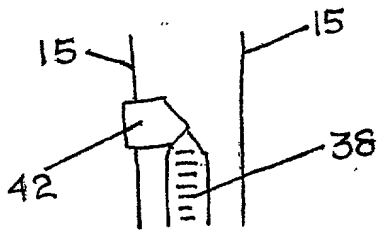

FIG 7A

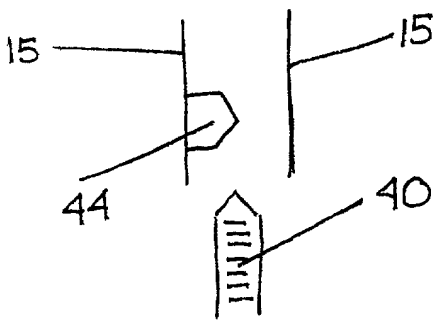

FIG 7B

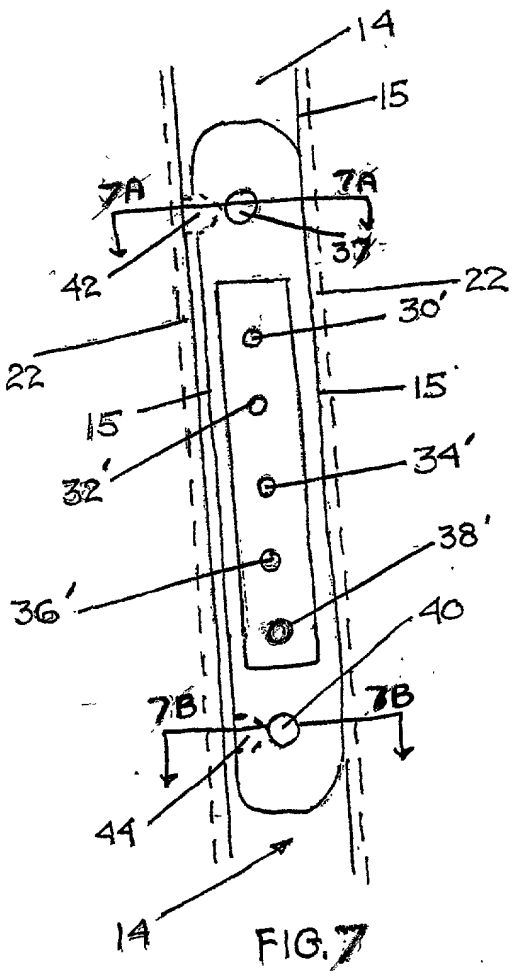

FIG. 7

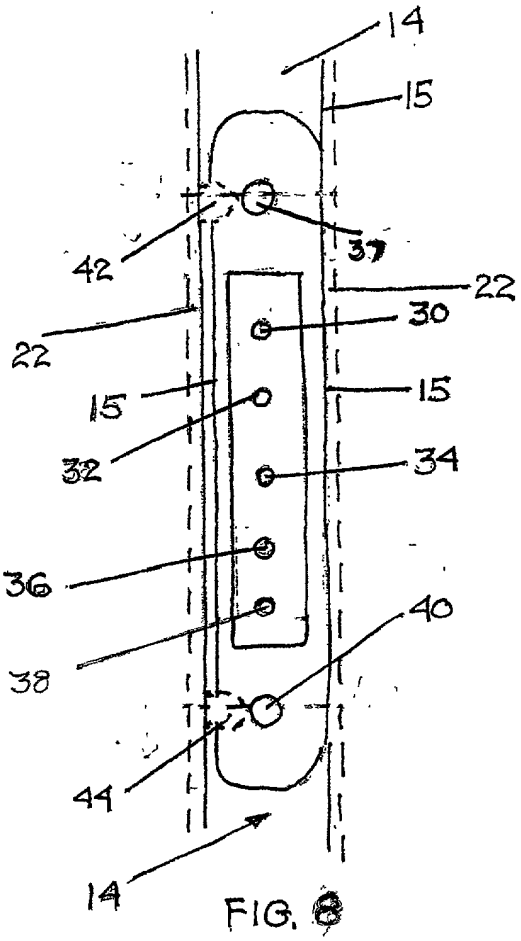

FIG. 8

APPLICATION FOR UNITED STATES PATENT
DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the attached specification; that I have reviewed and understand the contents of the specification, including the claims; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America; and that I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a).

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Title of Invention: ARCHERY BOW WITH BOW SPEED SPECIFIC SIGHT PIN BLOCK

I hereby appoint Milton Wolson, Esq., Reg. No. 22620, 60 East 42nd Street, New York, NY 10165, telephone (212) 986-7410, facsimile (212) 983-8421, my attorney, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Send correspondence to said Milton Wolson, Esq. at the above address.

Name of Inventor: Henry M. Gallops, Jr.

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Gainesville, FL 32653

Country of Citizenship: U.S.A.

08-24-00
(Date)

(Signature)